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(FILE 'USPAT' ENTERED AT 07:55:33 ON 25 AUG 93)
            437 S LAV OR ARV
L1
           1020 S RETROVIR?
L2
           290 S L1 AND L2
L3
           1183 S HIV
L4
           515 S L4 AND L2
L5
           588 S L3 OR L5
L6
         141123 S 1983-1984/FY
L7
              2 5 L6 AND L7
L8
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=> d 1-2

- 1. 4,716,102, Dec. 29, 1987, Purified AIDS-associated virus **ARV**-2; Jay A. Levy, 435/5, 243, 810, 974, 975; 436/518, 528, 543, 808, 809, 811, 825, 826 [IMAGE AVAILABLE]
- 2. 4,665,032, May 12, 1987, Human T cell hybridomas which produce immunosuppressive factors; Jeffrey C. Laurence, 435/240.26, 70.2, 172.2, 948; 530/380; 935/101 [IMAGE AVAILABLE]
- => log y U.S. Patent & Trademark Office LOGOFF AT 07:59:42 ON 25 AUG 93

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(FILE 'USPAT' ENTERED AT 08:01:49 ON 25 AUG 93)
L1 730 S HTLV
L2 1020 S RETROVIR?
L3 477 S L1 AND L2
L4 141123 S 1983-1984/FY
L5 13 S L3 AND L4

= d 1-13

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- 3. 4,716,102, Dec. 29, 1987, Purified AIDS-associated virus ARV-2; Jay A. Levy, 435/5, 243, 810, 974, 975; 436/518, 528, 543, 808, 809, 811, 825, 826 [IMAGE AVAILABLE]
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- 5. 4,692,403, Sep. 8, 1987, Methods and compositions for the detection of acquired immune deficiency syndrome; Luther E. Lindner, et al., 435/5; 424/86; 435/7.21, 7.24, 188, 968, 974; 436/501, 519, 547, 804, 811, 813; 530/389.4, 391.3 [IMAGE AVAILABLE]
- 6. 4,665,032, May 12, 1987, Human T cell hybridomas which produce immunosuppressive factors; Jeffrey C. Laurence, 435/240.26, 70.2, 172.2, 948; 530/380; 935/101 [IMAGE AVAILABLE]
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- 8. 4,652,599, Mar. 24, 1987, Method of continuous production of **retroviruses** (**HTLV**-III) from patients with AIDS and pre-AIDS using permissive cells; Robert C. Gallo, et al., 435/239, 5, 29, 240.2, 240.26, 948; 436/527 [IMAGE AVAILABLE]
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435/7.23, 7.9, 810, 948, 961, 975; 436/519, 523, 536, 542, 543, 804, 808, 811 [IMAGE AVAILABLE]

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US PAT NO: 4,652,599 [IMAGE AVAILABLE]

L5: 8 of 13

ABSTRACT:

A cell system is disclosed for the reproducible detection and isolation of human T-lymphotropic **retroviruses** (**HTLV**-family) with cytopathic effects (**HTLV**-III) from patients with the acquired immune deficiency syndrome (AIDS), pre-AIDS and in healthy carriers. One neoplastic aneuploid T-cell line derived from an adult with lymphoid leukemia, and termed HT, was susceptible to infection with **HTLV**-III, which is transformed and provides T-cell populations which are highly susceptible to and permissive for **HTLV**-III, and convenient for large scale production, isolation, and biological detection of the virus. Other operational neoplastic T-cell lines which are positive for OKT4 marker, e.g., Molt 3, CEM, Ti7.4 and HUT78, can produce **HTLV**-III in a large amount and retain its unlimited capability for growth.

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